

Black Belt Training

Operational Excellence Training

Course overview

Lean Six Sigma Black Belt is the required qualification for many senior management roles throughout the world, particularly those responsible for Operational Excellence and Process Improvement. At this level, Lean Six Sigma practitioners are capable of transforming an organisation, facilitating major improvements linked to cost management, quality control and cultural change.

Our Lean Six Sigma Black Belt is unique. In addition to being one of the most comprehensive and practical programmes available, our Black Belt course utilises a variety of training techniques to ensure the learning is as effective, practical and robust as possible. This includes online study, classroom sessions, and one-to-one coaching with a dedicated Master Black Belt tutor. You will also study the soft skills, such as change management, that are so essential to successful implementation.

The blended approach we use in the Black Belt training has been found to be more effective than traditional methods, while remaining enjoyable and rewarding.

Did you know?

The average Black Belt will earn the company a minimum of seven times the cost of training in the first project they complete.

A certified Lean Six Sigma Black Belt can expect an average salary of £70,000. The top 10% earn more than £100,000.



100% Effective's Black Belt training has an average customer satisfaction rating of 4.8 out of 5.

[Figures true of March 2016]

100% Effective

Key Points



Free online Black Belt



Lifetime support



170 CPD Points

Included



WiFi



Lunch and refreshments



Free 30 day Minitab trial for first time delegates

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You'll need:



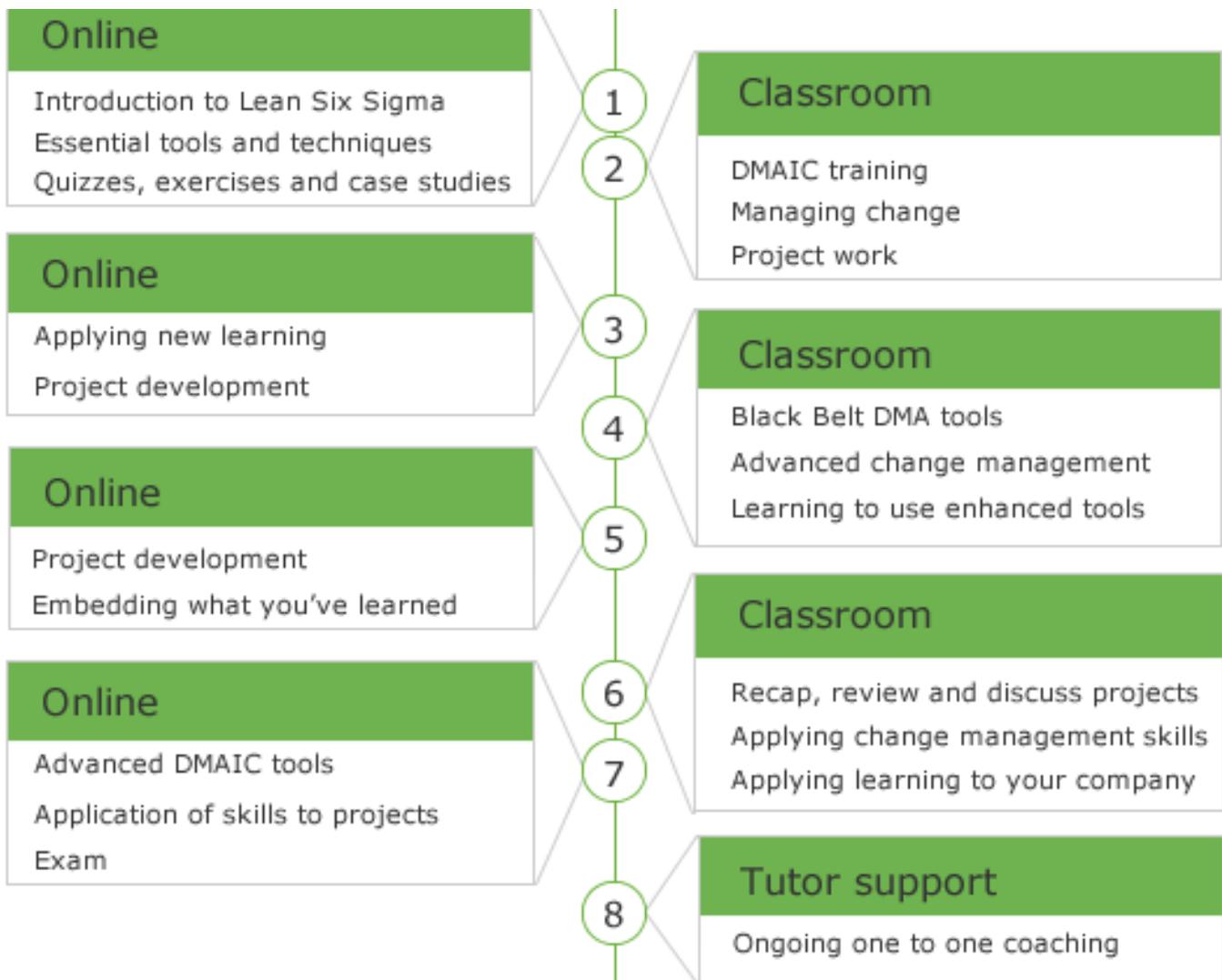
A laptop computer and a calculator



Minitab is a Windows-based software so it is incompatible with Mac laptops

Course content

The most effective Lean Six Sigma Black Belts combine their technical ability with strong interpersonal skills. This training covers the DMAIC framework but also provides the soft skills necessary to engage with people. The course follows this structure:



For more details call 0800 066 3749 or visit 100pceffective.com for a live chat

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What you'll learn

The Lean Six Sigma Black Belt training course utilises every learning style to ensure delegates learn everything they'll need to be effective in their roles.

The course covers not only Lean Six Sigma techniques, but also covers essential change management skills.

Introduction to learning

- Overview of Lean and Six Sigma
- Skills of an effective Black Belt
- DMAIC roadmap
- Little's law – project selection and management

Define

- Project Charters and how to make them effective
- Process Mapping including –SIPOC, Swim Lane, Sigma Logic, IDEF
- Value Stream mapping followed by exercise
- How to create and build an effective team
- Voice of the customer/CTQs in detail
- Quality Function Deployment (QFD) and the Kano Model followed by exercise
- Stakeholder analysis – how to fully utilise the tool for project success
- Project Planning tools and techniques
- Risk Assessment – Failure Mode Effect Analysis (FMEA)

Measure

- Variation and Tampering
- Review of Minitab
- Graphical displays – Histograms, dot plots, box plots etc using Minitab
- Data collection planning to ensure success
- Measurement systems analysis and Gauge R&R
- In-depth understanding of sampling
- Process capability
- Control charts
- Moments of truth and how to identify them followed by exercise
- Theory of constraints

Analyse

- Data analysis of non-normal data
- Confidence intervals
- Understanding Distributions and what they mean in analysis
- Hypothesis testing
- T tests
- F tests
- ANOVA
- Chi squared
- Design of Experiments
- Regression and correlation

Improve

- Simulation to practice DMA phases
- Generating solutions and creative thinking techniques
- Lean Tool box in detail understand for manufacturing and service the following tools and how to apply them
- 5S and visual management
- Takt time
- Kanban and Flow (Push v Pull)
- TPM & OEE
- SMED
- Poka Yoke
- Reducing complexity
- Standardisation
- Evaluating and selection solutions
- Pilot testing
- Presenting final solutions/Presentation skills and practise
- Simulation to practice Improve phase

Control

- Control plans – how to monitor and control a process
- Saving calculation – Cost of non-quality, financial calculations
- DMAIC summary
- DFSS overview

Effective Change Management Skills

- Advanced Presentation skills
- Advanced Facilitation skills
- Running Kaizen events
- Running simulation exercises
- NLP
- Body Language
- Feedback and coaching
- Change management for business
- Conducting a business diagnostic
- Overcoming resistance to change
- Motivation skills
- Influencing skills
- Time management skills

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Delegate Feedback

"I had done the Yellow Belt so I knew that 100% Effective offers excellent quality, but it exceeded even my high expectations!"

"The trainers are incredibly knowledgeable and our Master Black Belt was able to put the lessons into context by providing plenty of examples. I am confident in using these skills and have already had some success within my company."

"I cannot recommend this course highly enough."

Training objectives

Following completion of the Lean Six Sigma Black Belt Training Course, you will be able to:

- Improve a business using DMAIC and Lean Six Sigma across any function
- Apply Lean Six Sigma principles, tools and techniques and explain the concepts to others
- Lead Lean Six Sigma improvement teams to solve complex multi-functional problems
- Understand and implement change in a business
- Apply and understand the voice of the customer in all areas of business
- Collect and analyse data correctly to support informed decision making
- Use data to identify the root causes of problems
- Develop and implement solutions, using advanced Lean Six Sigma methodologies, to ensure problems are solved permanently
- Certify as a Lean Six Sigma Black Belt to enhance your professional status
- Act as a Lean Six Sigma ambassador within any organisation

Upon completion of the Black Belt course, an online exam and two completed projects, you can apply to certify as a Lean Six Sigma Black Belt at no additional cost.

What's in it for me?

Lean Six Sigma Black Belt training is the required certification level for many senior management roles, in particular those responsible for Operational Excellence and Process Improvement.

The Black Belt is designed for professionals with senior responsibility for change management projects, which can be related to cost management, waste reduction, variance removal or cultural change. At this level you will move beyond an operational knowledge of Lean Six Sigma tools and methodologies, to a more sophisticated and strategic understanding.

For more help and guidance on the right training course for you, just get in touch.

100% Effective

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